

Weekly Report

8/1/2016-8/7/2016

Work

This week, I make some modification on AMTG program. First, I store top 100 trajectory segments for each node instead of all segments, because we only show top 10 segments in our system, which speed up 2-3 times for our data preprocessing phrase. Second, it is not easy to find the case in our paper due to randomness of K-means. Also, running program on full dataset takes a lot of time. So, I test the clustering result using 30000 mobile phone users and record the cluster center when the clustering result works fine. Then, I set the iterative initial values as the recorded cluster center. Interestingly, K-means algorithm converges at the first iteration on full dataset. In addition, I have update the figure and words of case study based on our new result.

Plan for next week

- Modify three copies of patent.
- Prepare materials for United States visa.
- Cover Letter.